DATA SHEET

ESPRIMO MOBILE X9510

eXtra class of productivity

Issue: **May 2009**

ESPRIMO Mobile X9510

You don't accept any compromises? The ESPRIMO Mobile X9510 is a solid alternative to the Desktop PC and offers top mobile performance. This professional notebook has a brilliant 15.4-inch WXGA+ or WSXGA+ display and its modular bay provides the option of a second battery. Connectivity is ensured via a large number of interfaces and optional UMTS/HSDPA. With its new clear-line design the ESPRIMO Mobile X fits perfectly into your office environment.

Unlimited connectivity

High performance, best connectivity and all classic and new interfaces enable constant data access and high-level productivity.

- Intel® Centrino® 2 processor technology, UMTS/HSDPA, WLAN, Bluetooth, parallel and serial interface, E-SATA, PC Card, Express Card, FireWire

Ergonomic working

Relaxed and easy working with a brilliant and bright display throughout the day.

- 15.4-inch WXGA+ or WSXGA+ display, ergonomic keyboard with touchpad and optional touchstick, second set of mouse buttons

Extremely reliable

Stable housing and innovative functions, built to meet the highest requirements.

- ShockSensor, spillproof keyboard, magnesium lid, robust housing

Great flexibility

The family concept offers standardized accessory components for the ESPRIMO Mobile U, M, D, X series.

- Family port replicator, power supply unit and modular bay for optical drive, second battery or second hard disk

Maximum security

Protect your company data against unauthorized third-party access.

- Integrated SmartCard reader, optional TPM module and SmartCase Logon+

Mobile Broadband

ENERGY STAR

EPEAT SILVER

Green IT

BEST CONNECTIVITY

SYSTEM GUARDS

ULTIMATE SECURITY

FAMILY CONCEPT

2ND BATTERY

FULL SET OF INTERFACES

INFORMATION DISPLAY

CONFCAM

TWINLOAD

Components

Processor	Intel® Core™2 Duo T9600 (2.8 GHz, 6 MB , 1066 MHz)
	Intel® Core™2 Duo T9550 (2.66 GHz, 6 MB , 1066 MHz)
	Intel® Core™2 Duo P8700 (2.53 GHz, 3 MB , 1066 MHz)
	Intel® Core™2 Duo P8600 (2.4 GHz, 3 MB , 1066 MHz)
	Intel® Celeron® 585 (2.16 GHz, 1 MB , 667 MHz)
Memory modules	2 GB (1 module(s) with 2 GB) DDR3, 1066 MHz, PC3-8500, SODIMM
	1 GB (1 module(s) with 1 GB) DDR3, 1066 MHz, PC3-8500, SODIMM
Hard disk drives (internal)	320 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, FDE-3, 2.5-inch S.M.A.R.T.
Hard disk notes	ShockSensor for HDD shock protection One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software
Display	39.1 cm (15.4-inch) TFT 1680 x 1050 pixel (WSXGA+) non-glare display
	39.1 cm (15.4-inch) TFT 1440 x 900 pixel (WXGA+) non-glare display
WLAN (optional)	Atheros Minicard b/g 802.11 b/g
	Intel® Wireless WiFi Link 5300 AGN 11/13ch
UMTS/HSUPA (optional)	Option GTM 382 (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
Bluetooth (optional)	Bluetooth 2.1
Modular bay options	2nd battery
	2nd hard disk drive
	DVD Super Multi
	Weight saver

Base unit	**ESPRIMO Mobile X9510**
General system information	
Chipset	Intel® GM45, ICH 9-M
BIOS features	BIOS based on Phoenix TrustedCore Notebook
Memory slots	2 DIMM (DDR3)
Turbo memory	Optional 4 GB
Supported capacity RAM (max.)	4 GB
Memory notes	8 GB - with future memory modules.
Interfaces	
Memory card slots	1 (SD/MMC/MS/MSPro/XD)
ExpressCard slots	1
PC Card slot (Type I/II)	1
SIM card slot	1
Modem (RJ-11)	Optional
USB 2.0 total	4 (3x USB 2.0, 1x eSATA & USB port)
FireWire (IEEE1394)	1
Serial (RS-232)	1
Parallel	1
VGA	1
Ethernet (RJ-45)	1
DC-in	1
Audio: line-in / microphone	1
Audio: line-out / headphone	1
Internal microphones	2
Docking connector for Port Replicator	1
Kensington Lock support	1

Wired communication	
Modem type	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82567LF
Wireless technologies	
Antennas	3 Dual band WLAN antennas, 2 UMTS antennas
WLAN notes	Import and usage according to country-specific regulations.
UMTS	Optional
Keyboard and pointing devices	
	Spill-proof keyboard
	Number of keyboard keys: 86, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm
	TouchPad with two mouse buttons Second set of mouse buttons Application buttons
Input devices (optional)	Optional: TouchStick
Multimedia	
Audio type	On board
Audio codec	Realtek ALC262
Audio features	Stereo speakers, Internal microphone (array)
Camera	Optional: Built-in ConfCam, 1.3 megapixel, VGA camera
Graphics	
Max. resolution external display	1920 x 1200 / true color / 60 Hz
Graphics brand name	Mobile Intel® GMA 4500M HD
Graphic features	DualView (Windows XP & Windows Vista)
Power supply	
AC adapter	20 V / 90 W (4.5 A)
Rated voltage range	100 - 240 V (AC Input)
Rated frequency range	50 - 60 Hz
1st battery	Li-Ion battery 8-cell, 5.200 mAh, 77 Wh
2nd battery (optional)	Li-Ion 6 cell, 3.800 mAh, 42 Wh
Battery features	Dynamic charge supported (rapid charge)
Runtime 1st battery	up to 7 h
Runtime 1st + 2nd battery	up to 11 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Power consumption	
Power consumption note	see white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=b0cfa10f-e3cf-442c-bd75-ea871ddd7ffa
Dimensions / Weight / Environmental	
Dimension (W x D x H)	363 x 260 x 38 mm
Weight	2.8 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	5 - 35°C
Operating relative humidity	20 - 85 % (running)
Operating system	
Operating system optional preinstalled	Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Business 32bit TwinLoad Microsoft® Windows® XP Professional (DVD)
Operating system compatible	Microsoft® Windows® XP Professional
Operating system notes	Driver support for Microsoft Windows XP

Additional Software	
Additional software (preinstalled)	Adobe Acrobat Reader Camera EasyGuide online user documentation Nero Essentials (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Drivers & Utilities DVD (DUDVD) Toshiba Bluetooth Stack Mobile Software Suite: Application Button Utility Wireless Selector Utility ShockSensor Utility Fan Control Utility Power Saving Utility
Additional software (optional)	Windows Vista® recovery media Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) DVD playback software
Manageability	
Manageability features	DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional)
Manageability type	DeskView 10.x client management including:
DeskView features	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Supported standards	PXE BootP (made4you) WMI
Manageability link	http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html
Security	
Physical security	Kensington Lock support
System security	Optional: Trusted plattform module (TPM 1.2) Symantec Norton Internet Security (90 day test version)
User security	Hard disk password User and supervisor BIOS password Separate SmartCard slot SystemLock 2 BIOS SmartCard Security
Compliance	
Germany	GS
Europe	CE CE!
USA/Canada	FCC Class B (Depending on wireless configuration) UL cUL
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) ENERGY STAR® 4.0 Microsoft Operating Systems (HCT / HCL entry / WHQL) WiFi certified EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Portreplicator interfaces (optional)	
DC-in	1
Power on switch	1
Headphones	1

Portreplicator interfaces (optional)	
Audio: microphone in	1
USB 2.0 total	4
VGA	1
DVI	1, DVI-D single link, maximal resolution 1920 x 1200 pixel (WUXGA)
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2
eSATA	1

Warranty	
Standard Warranty	1 year
Service level	Collect & Return Service / Bring-In Service (depending on country)

Maintenance and Support Services - the perfect extension	
Recommended Service	3 years, On-site Service
Spare Parts availability	5 years
Service Weblink	htttp://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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